MODULE 5–CONTINUING TRENDS AND POSSIBILITIES

A-6v: Video: Tech-Trends Trivia
Which vehicle maker was the first to use boron-alloyed steel and have a sectioning procedure for it? (pause) Volvo

A-10v: Video: Volvo "You" Concept
Volvo concept cars are often built around a theme, and the theme of this concept is you, Y-O-U. This concept is built for the owner.

The interior brags the ultimate of comfort, everything from lounge seats in the rear, to a wooden floor covered with hand-tufted wool carpeting. Now these are not all likely to make it to a production model, but some other features stand a better chance.

There's no owner's manual. It's replaced by touch screens, all the information on the vehicle literally at the owner's fingertips, and their eyeballs. The screen on the center console remains in sleep mode until the driver looks at it. A hidden infrared camera registers the eye movements, and the screen comes to life. Another sensor registers hand movements, either by the driver or passenger.

Volvo has always been about safety. Certain functions, such as accessing the Web, are only available to the passenger when the vehicle is moving. The technology knows who is the present operator and adapts itself automatically. The information can be flipped from the instrument panel to a head-up display at the whim of the driver.

The sound system is said to be "air powered." It uses the outside air for a subwoofer for better sound and less weight than systems of today.

A-15v: Video: Tech-Trends Trivia
In the original Acura NSX body repair manual, it states that spot welding steel sheet metal requires about 9,300 amps. How many amps does the manual say it takes to spot weld the same thickness of aluminum alloy? (pause) The amount required is about 26,000 amps. This is the reason aluminum cannot be spot welded in a repair facility.

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